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File: JPAB

Jan 16, 1996

PUB-NO: JP408012709A

DOCUMENT-IDENTIFIER: JP 08012709 A

TITLE: PROCESS FOR POLYMERIZING METHACRYLIC ESTER HAVING POLAR GROUP

PUBN-DATE: January 16, 1996

INVENTOR-INFORMATION:

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APPL-NO: JP06149340

APPL-DATE: June 30, 1994

INT-CL (IPC): C08 F 4/08; C08 F 2/06; C08 F 20/10; C08 F 20/34; G02 F 1/35

ABSTRACT:

PURPOSE: To obtain a methacrylic ester polymer precision-polymerized having various functional units introduced therein by subjecting a methacrylic ester having a polar group to anionic polymerization.

CONSTITUTION: A process for polymerizing a methacrylic ester having a polar group is provided wherein at least one methacrylic ester monomer having at least one polar group is polymerized in the presence of an alkyl lithium, 1,1-diphenylethylene of which hydrogen atoms on the benzene rings may be replaced by lower alkyl groups, and lithium chloride.

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File: DWPI

Jan 16, 1996

DERWENT-ACC-NO: 1996-112729

DERWENT-WEEK: 199612

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TITLE: Polymerisation of methacrylate - in presence of alkyl lithium,
di:phenyl:ethylene, where hydrogen(s) in benzene ring are substd. with lower alkyl
gp(s)., and lithium chloride

PATENT-ASSIGNEE:

ASSIGNEE

CODE

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MITU

PRIORITY-DATA: 1994JP-0149340 (June 30, 1994)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

JP 08012709 A

January 16, 1996

004

C08F004/08

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

JP 08012709A

June 30, 1994

1994JP-0149340

INT-CL (IPC): C08 F 2/06; C08 F 4/08; C08 F 20/10; C08 F 20/34; G02 F 1/35

ABSTRACTED-PUB-NO: JP 08012709A

BASIC-ABSTRACT:

In the polymerisation of methacrylate, a methacrylate monomer(s) having at least one polar gp. is (co)polymerised in the presence of: (1) alkyl lithium; (2) 1,1-diphenylethylene, where the H atoms in the benzene ring are substd. with a lower alkyl gp(s).; and (3) lithium chloride.

Also claimed is a (co)polymer of methacrylate monomer(s) having a nitro gp.(s) prepd. as above.

USE - The polymer obtd. from the methacrylate monomer has good optical properties and is adapted for optical use.

ADVANTAGE - The methacrylate monomer(s) having substd. gp(s)., with higher polarities, are polymerised by an anion-polymerisation efficiently.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: POLYMERISE METHACRYLATE PRESENCE ALKYL LITHIUM DI PHENYL ETHYLENE
HYDROGEN BENZENE RING SUBSTITUTE LOWER ALKYL GROUP LITHIUM CHLORIDE

DERWENT-CLASS: A14 E12 P81 V07

CPI-CODES: A02-A07B; A04-F06A; A09-A02; E05-A; E10-J02B4; E33-B;